Unilite Curing Light Installation Guide

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UNPACKING

EQUIPMENT ALERT
To avoid damage, do not use a knife or sharp object to open packaging.

(1) Carefully remove all enclosed components from packaging and inspect for shipping damage. If damage is apparent, file a Concealed Damage Report with the carrier.

JUNCTION BOX TUBING CONNECTIONS

(1) Remove junction box cover (1, Figure 1).

(2) Align and velcro two strips of velcro hook (2) onto two strips of velcro loop (3).

(3) Peel protective backing (A) from back side of two velcro hook (2) strips; then position mounting box (4) on top of universal power supply (5) in orientation shown in illustration. Press down firmly on mounting box to ensure adhesive backing of velcro adheres to universal power supply.

(4) If necessary, remove two screws (B) and cover (C) from chassis (D).

(5) Connect 1/4 in. yellow tubing (6) ***[from umbilical]*** to fitting (7) ***[labeled port "1"]*** of pressure switch with 1/4 in. sleeve clamp (8).

(6) Remove plug (9) and gasket (10) from connector fitting (11) ***[on rear of 80 PSI pressure gauge]***.

(7) Install new gasket (12) and 10-32 x 1/4 in. O.D. fitting (13) on connector fitting (11).

(8) Connect 1/4 in. yellow tubing (14) ***[supplied with kit]*** to fitting (13) ***[on rear of 80 PSI pressure gauge]*** with 1/4 in. sleeve clamp (15).

(9) Connect remaining end of 1/4 in. yellow tubing (14) to fitting (16) ***[labeled port "2"]*** of pressure switch with 1/4 in. sleeve clamp (17).

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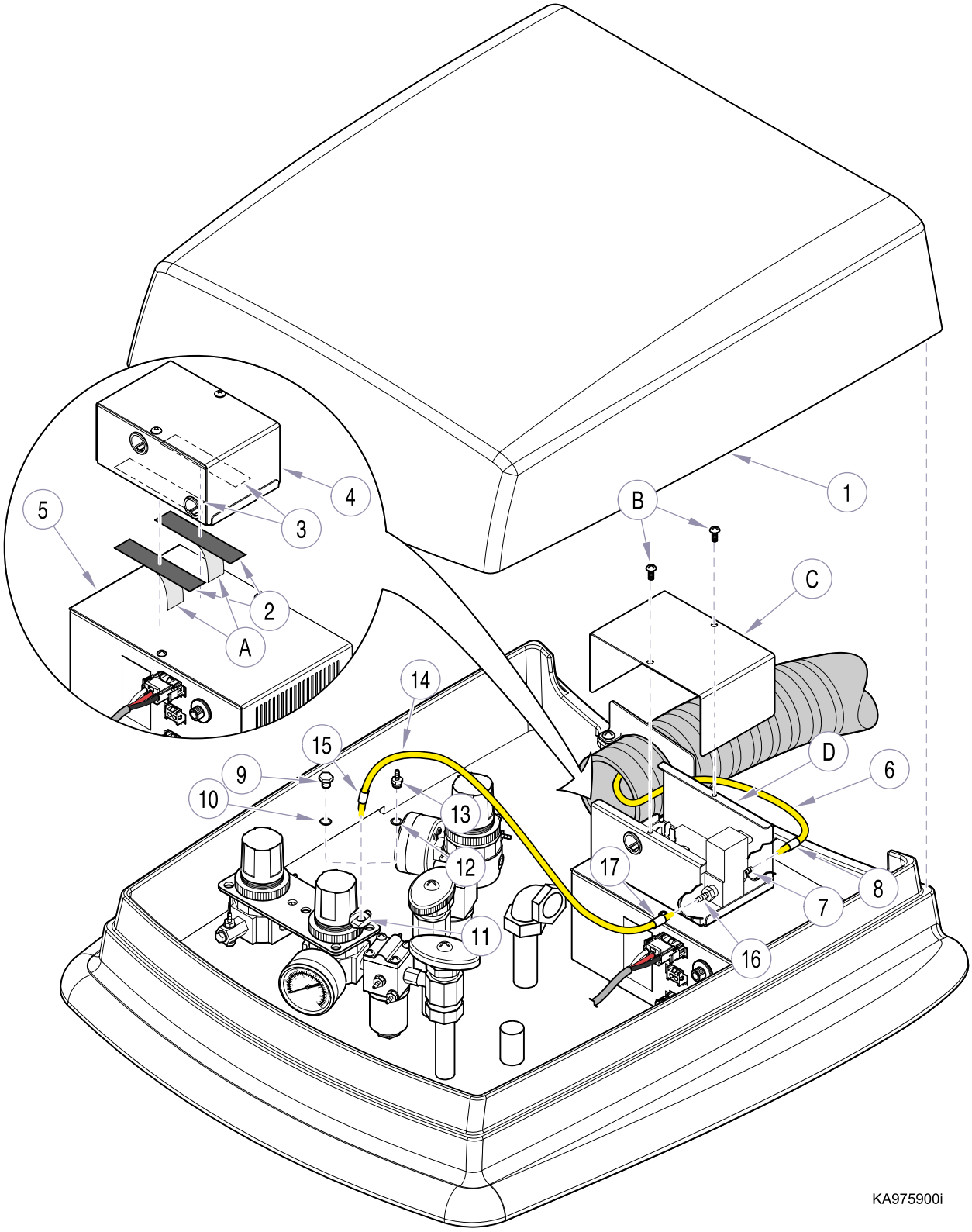

Figure 1. Junction Box Tubing Connections

JUNCTION BOX WIRING CONNECTIONS

(1) Connect power harness (1, Figure 2) to center connector (2) ***[labeled "CURING LIGHT"]*** of universal power supply.

(2) Connect blue wire (3) ***[from umbilical]*** to Terminal **"1"** of relay timer (4).

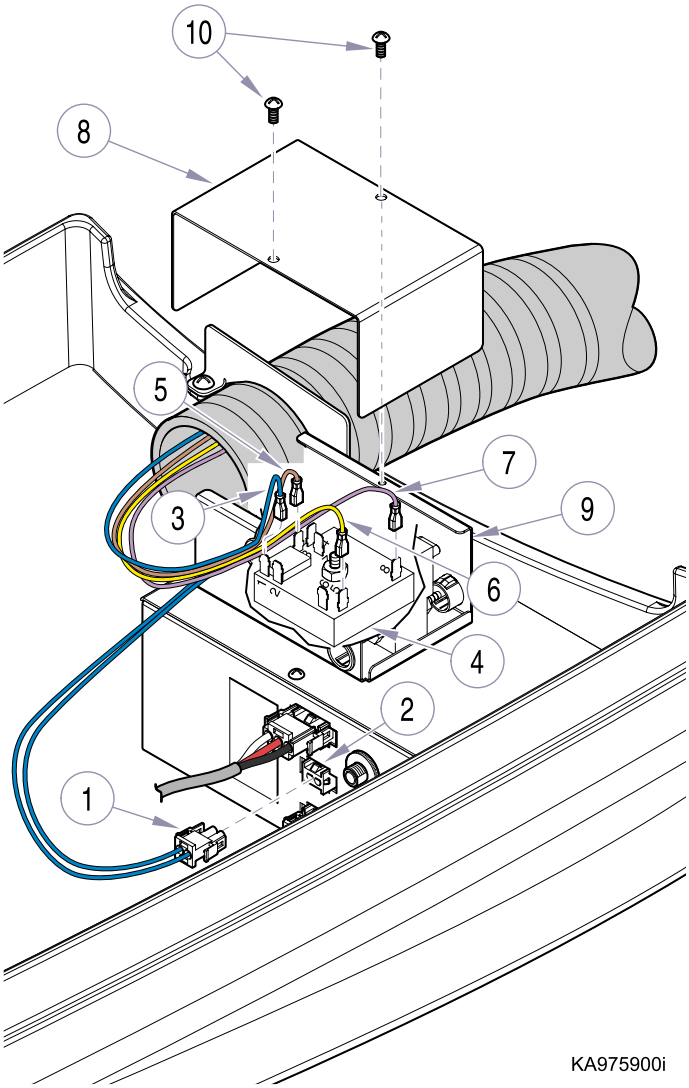

Figure 2. Junction Box Wiring Connections

(3) Connect brown wire (5) ***[from umbilical]*** to Terminal **"3"** of relay timer (4).

(4) Connect yellow wire (6) ***[from umbilical]*** to Terminal **"5"** of relay timer (4).

(5) Connect violet wire (7) ***[from umbilical]*** to Terminal **"8"** of relay timer (4).

(6) Install power supply cover (8) on chassis (9) and secure with two screws (10).

(7) Install junction box cover.

DELIVERY HEAD TUBING & ELECTRICAL CONNECTIONS

CAUTION

This paragraph applies only if the curing light is being installed in the Delivery head; otherwise, see "Assistant's Instrument Head Tubing & Electrical Connections" in following paragraph.

(1) Press release button and lift cover of delivery unit. Using screwdriver or similar tool, prop cover in fully open position.

NOTE

Determine which handpiece station will get the curing light. If possible, ask the doctor to specify preference.

(2) Insert grey tubing (1, Figure 3) of curing light handpiece (2) through an empty handpiece tubing slot (3).

(3) Connect 1/4 in. white tubing (4) ***[from curing light]*** to 1/4 in. yellow tubing (5) ***[from umbilical]*** using 1/4" x 1/4" fitting (6) and two 1/4 in. O.D. sleeve clamps (7).

(4) Connect one blue wire (8) ***[from curing light]*** to Terminal **"A"** of terminal strip (9). Secure by tightening its terminal screw.

(5) Connect other blue wire (10) ***[from curing light]*** to Terminal **"B"** of terminal strip (9). Secure by tightening its terminal screw.

(6) Connect black wire (11) ***[from curing light]*** to Terminal **"C"** of terminal strip (9). Secure by tightening its terminal screw.

(7) Connect red wire (12) ***[from curing light]*** to Terminal **"D"** of terminal strip (9). Secure by tightening its terminal screw.

(8) Remove protective backing from cord clip (13) and then position cord clip on front side of handpiece tubing slot (3) as shown.

(9) Secure grey tubing (1) of curing light to cord clip (13) with a 4" cable tie (14).

(10) Remove screwdriver and close cover of delivery head.

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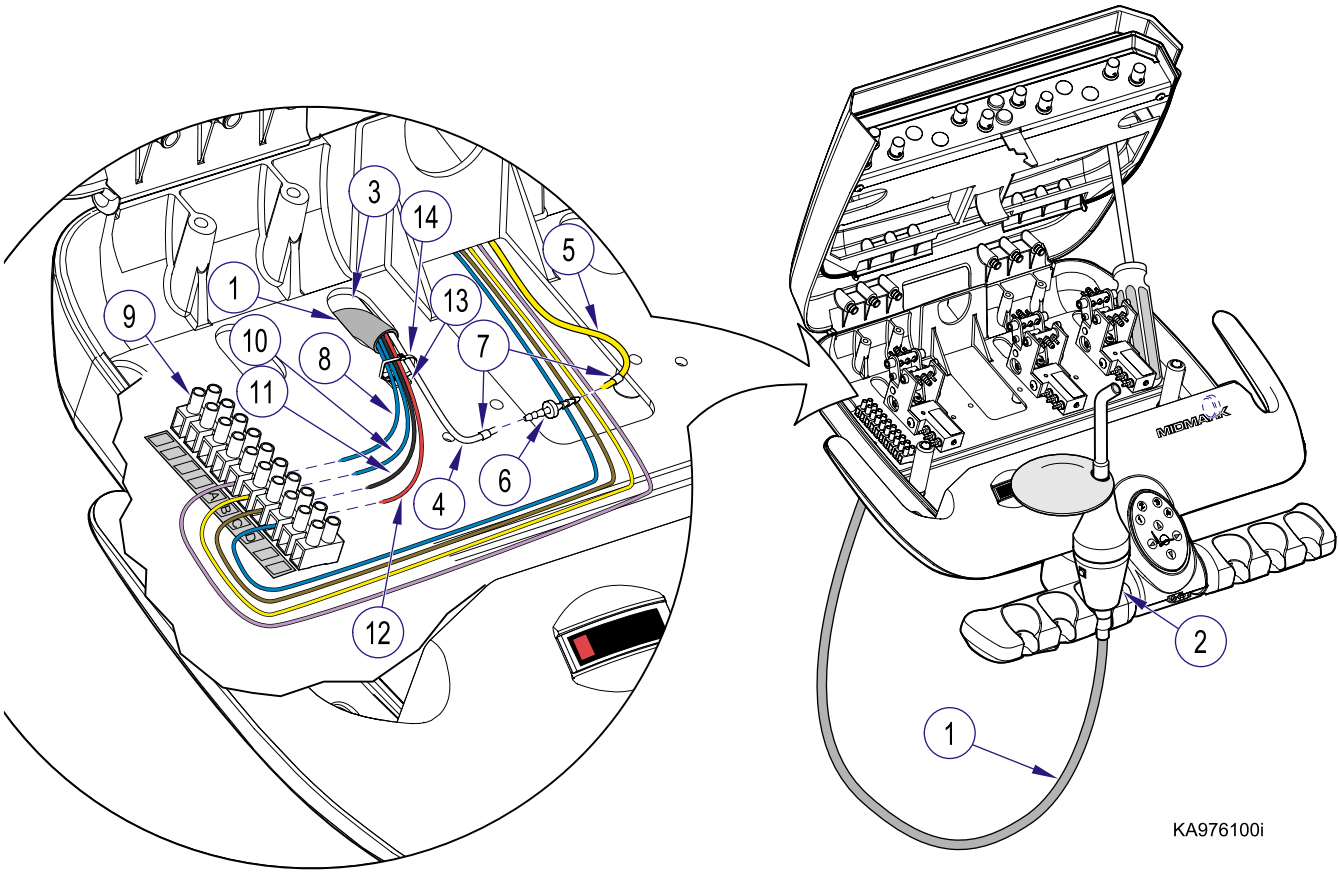

Figure 3. Delivery Head Tubing & Electrical Connections

ASSISTANT'S INSTRUMENT HEAD TUBING & ELECTRICAL CONNECTIONS

CAUTION

This paragraph applies only if the curing light is being installed in the Assistant's head; otherwise, see "Delivery Head Tubing & Electrical Connections" in previous paragraph.

NOTE

Determine which handpiece station will get the curing light. If possible, ask the doctor to specify preference.

(1) Remove solids collector cover (1, Figure 4) and then screw (2).

(2) Remove four screws (3) and top cover (4) from bottom housing (5).

(3) Insert grey tubing (6) of curing light handpiece (7) through handpiece tubing slot (A).

(4) Connect 1/4 in. white tubing (8) ***[from curing light]*** to 1/4 in. yellow tubing (9) ***[from umbilical]*** using 1/4" x 1/4" fitting (10) and two 1/4 in. O.D. sleeve clamps.

(5) Connect one blue wire (11) ***[from curing light]*** to Terminal **"A"** of terminal strip (12). Secure by tightening its terminal screw.

(6) Connect other blue wire (13) ***[from curing light]*** to Terminal **"B"** of terminal strip (12). Secure by tightening its terminal screw.

(7) Connect black wire (14) ***[from curing light]*** to Terminal **"C"** of terminal strip (12). Secure by tightening its terminal screw.

(8) Connect red wire (15) ***[from curing light]*** to Terminal **"D"** of terminal strip (12). Secure by tightening its terminal screw.

(9) Remove protective backing from cord clip (16) and then position cord clip on front side of handpiece tubing slot (A) as shown.

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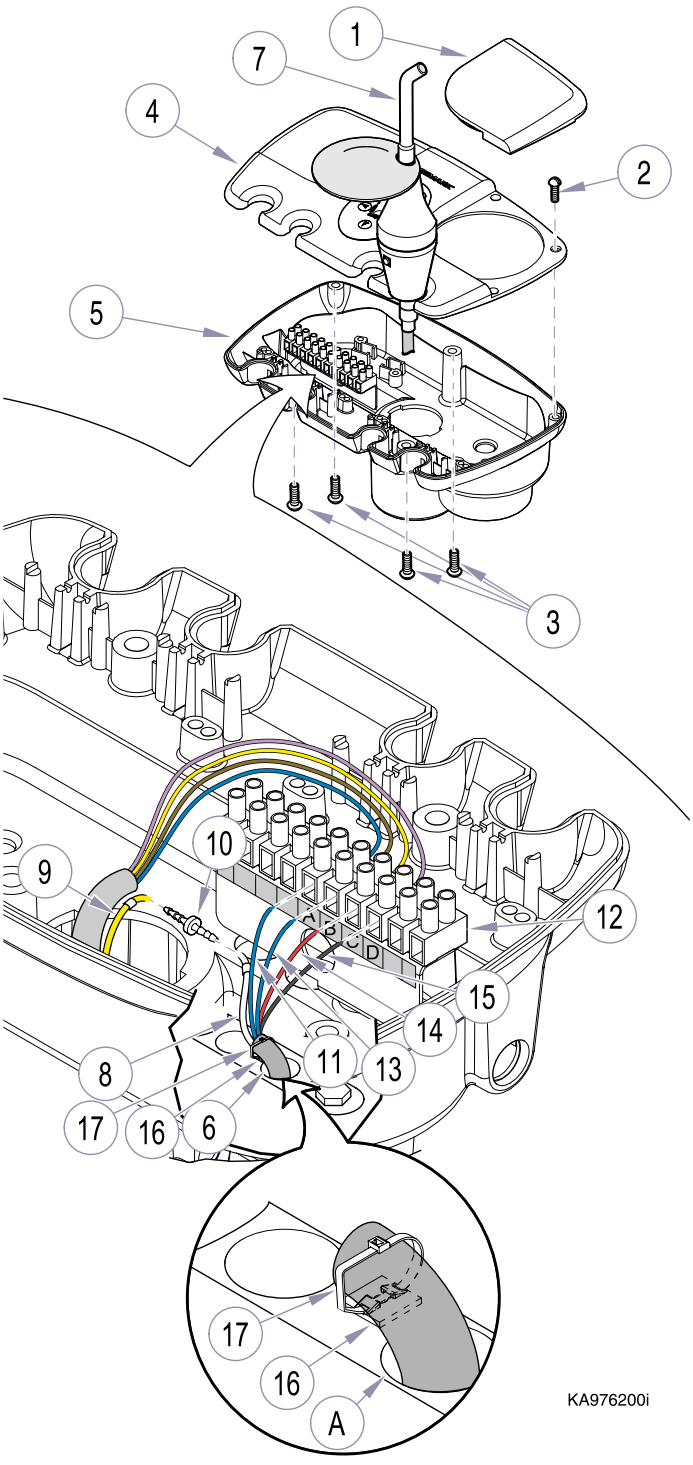

Figure 4. Assistant's Instruments Tubing & Electrical Connections

(10) Secure grey tubing (6) of curing light to cord clip (16) with a 4" cable tie (17).

(11) Remove safety bail cover (1, Figure 5) by pushing inward on top of cover while pulling down to unhook top brackets (2) from posts (3). Then, rotate cover down and pull away from chair to remove.

(12) Locate 1/4 in. yellow tubing (4) running from junction box to delivery head. Cut 1/4 in. yellow tubing in two.

(13) Reconnect two ends of 1/4 in. yellow tubing (4) with a 3-Way connector fitting (5).

(14) Connect 1/4 in. yellow tubing (6) ***[from assistant's umbilical]*** to 3-way connector fitting (5).

CURING LIGHT OPERATION

To operate the Unilite Curing Light, refer to the Unilite Operator's Manual provided with this kit.

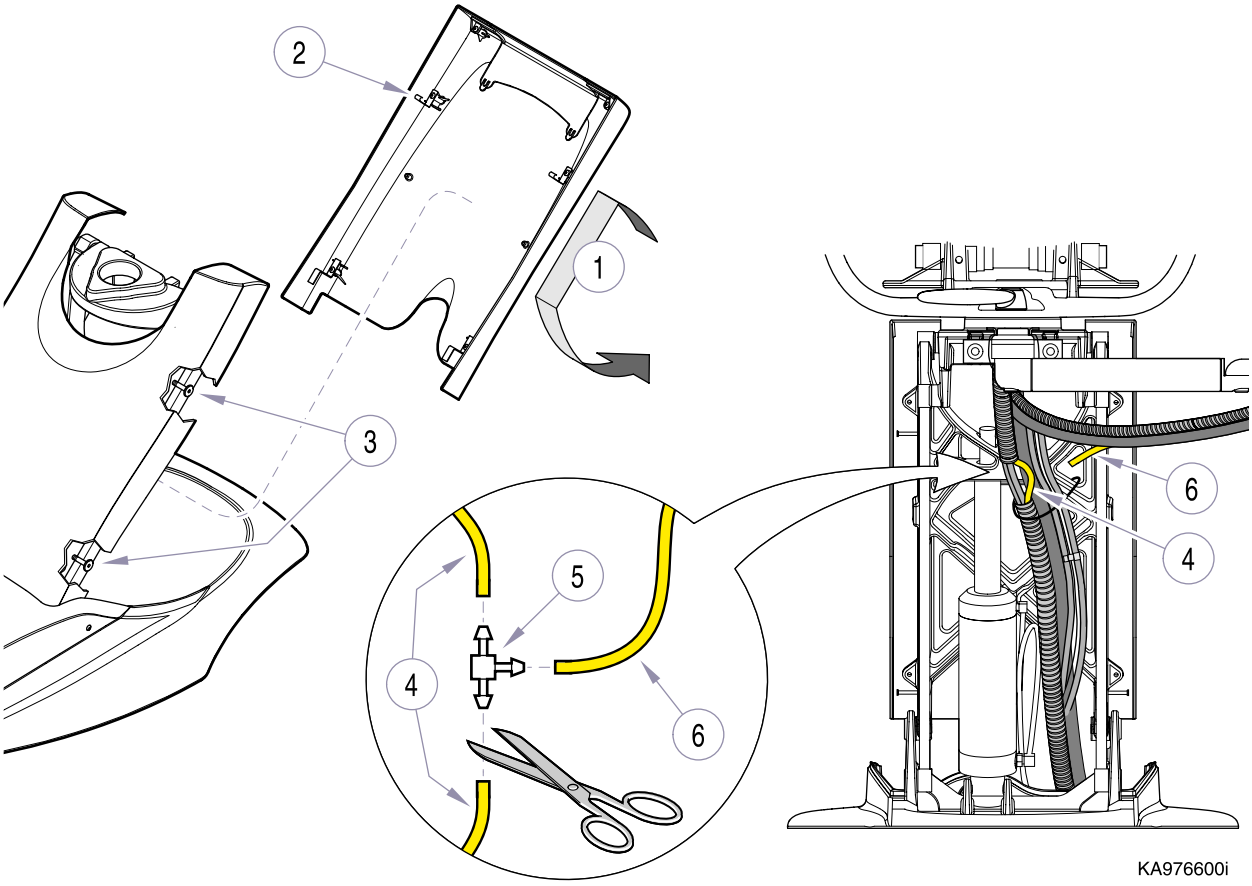

Figure 5. Umbilical Tubing Connections